Index of Claims



Application No.

10/633,574

Examiner

Viet Vu

Applicant(s)

HAKENBERG ET AL.

Art Unit

2154

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

N Non-Elected
I Interference

A Appeal
O Objected

| Claim                  |  | Date                                |            |          |          |              |              |            |          |          |  |
|------------------------|--|-------------------------------------|------------|----------|----------|--------------|--------------|------------|----------|----------|--|
|                        |  | Date                                |            |          |          |              |              |            |          |          |  |
| Final                  | Original   | 6-28-0                              |            |          |          |              |              |            |          |          |  |
|                        | X  |                                     |            | Γ        |          |              | П            |            |          |          |  |
|                        | 2  |                                     |            | Τ        | П        |              |              |            |          |          |  |
|                        | 3  |                                     |            |          |          |              |              |            |          | П        |  |
|                        | 4  |                                     |            |          |          |              |              |            |          |          |  |
|                        | 5  |                                     |            |          |          |              |              |            | Ī        |          |  |
|                        | e e  |                                     |            |          |          |              |              |            |          | П        |  |
|                        | 7  |                                     |            |          |          |              |              |            |          |          |  |
|                        | 5<br>6<br>7<br>8   |                                     |            |          |          |              |              |            |          |          |  |
| L                      | g  |                                     |            |          |          |              |              |            |          |          |  |
|                        | 10<br>11<br>14   | L                                   | <u> </u>   | L        |          |              |              | <u></u>    |          |          |  |
|                        | 1  |                                     | <u>L</u> . | <u> </u> |          |              |              | <u> </u>   | _        | Ш        |  |
|                        | 12   | <u>_</u>                            |            | L        |          |              |              | L          |          | Щ        |  |
|                        | 13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25 | Y                                   |            | L        | L        |              |              |            | <u> </u> |          |  |
|                        | 14   | Ш                                   |            |          | <b>!</b> |              |              | L          | _        | Ш        |  |
| L                      | 15   | Ш                                   | <u> </u>   | <u> </u> | _        | _            | L            | L          |          | Ш        |  |
|                        | 16   | Ш                                   |            | <u> </u> |          |              |              | <u> </u>   |          |          |  |
|                        | 17   | Ш                                   | _          |          |          |              | L            |            | <u> </u> | Ш        |  |
|                        | 18   | Ш                                   | _          | L        | _        | _            | _            |            |          | Ш        |  |
|                        | 19   | Ц                                   |            | L.       | _        |              | _            |            | _        | Ш        |  |
|                        | 20   | Ш                                   | L          |          |          | L            |              | L          |          | Ш        |  |
|                        | 21   | Ц                                   | L          | _        |          |              |              | L          | L        |          |  |
|                        | 22   | Ц                                   |            |          |          | L            |              |            |          | Ш        |  |
|                        | 23   | Ш                                   | L          | _        |          | L            |              | L          |          |          |  |
|                        | 24   | 7                                   |            |          | _        | _            | <u>L</u>     | L          | _        | Ш        |  |
|                        | 25   |                                     |            |          |          | _            | _            |            |          | _        |  |
| <u> </u>               | 26   |                                     |            |          |          | _            | _            | _          |          |          |  |
|                        | 27<br>28<br>29<br>30   |                                     | _          |          | <u> </u> | ļ            | <u> </u>     | _          |          |          |  |
|                        | 28   |                                     | _          | ļ        | _        |              | _            | L_         |          |          |  |
|                        | 29   |                                     |            |          | <u> </u> | <u> </u>     |              | L          |          |          |  |
| <u> </u>               | 30   | _                                   |            | <u> </u> | ļ        |              | _            | <u> </u>   |          | Ш        |  |
| $\vdash$               | 31   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _          | <u> </u> | _        | _            |              | _          | _        |          |  |
| <u> </u>               | 32   | $\vdash$                            | _          | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | _          |          |          |  |
| $\vdash \vdash$        | 32<br>33<br>34   | $\vdash$                            | <u> </u>   | <u> </u> | $\vdash$ | <u> </u>     | <b> </b> -   |            | <u> </u> | Щ        |  |
|                        | 34   | $\vdash$                            |            | <u> </u> | <u> </u> | _            |              | -          | <u> </u> | Н        |  |
| $\vdash$               | 35<br>36   | $\vdash$                            | <u> </u>   | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>   | ļ        | Н        |  |
| $\vdash\vdash\vdash$   | 30   | <u> </u>                            | -          | <u> </u> | _        | <u> </u>     |              |            |          | Ш        |  |
|                        | 37   | H                                   | _          | <u> </u> | <u> </u> | <u> </u>     |              | <u> </u>   | <u> </u> | Ш        |  |
|                        | 38<br>39   |                                     | _          | $\vdash$ | -        | <u> </u>     | <del> </del> | <b> </b> - | <u> </u> | Н        |  |
| ⊢⊢                     | 40   |                                     |            | $\vdash$ | -        | <del> </del> | <u> </u>     | -          | <u> </u> | Щ        |  |
| $\vdash$               | 41   | $\vdash$                            |            | ├-       | <u> </u> | <u> </u>     | -            |            | <u> </u> | Н        |  |
| $\vdash$               | 42   | Н                                   |            | $\vdash$ | <u> </u> | <u> </u>     | <u> </u>     | $\vdash$   | <u> </u> | $\vdash$ |  |
| $\vdash$               | 43   | Н                                   |            |          | -        | _            |              | $\vdash$   |          |          |  |
| $\vdash$               | 44   | Н                                   |            |          | _        | H            | -            | $\vdash$   |          | -        |  |
| $\vdash$               | 45   | $\vdash$                            | -          | $\vdash$ | -        | -            |              |            |          | $\dashv$ |  |
| -                      | 46   | $\vdash$                            | _          | $\vdash$ | -        |              |              |            |          | $\vdash$ |  |
|                        | 47   |                                     | _          | $\vdash$ | -        |              | -            |            | $\vdash$ |          |  |
| $\vdash$               | 48   | $\vdash$                            | _          |          | -        | -            | $\vdash$     | -          |          | $\dashv$ |  |
| $\vdash \vdash \vdash$ | 49   | $\vdash$                            | -          |          |          |              |              | -          |          | $\dashv$ |  |
|                        | 50   | $\vdash$                            | _          |          | -        |              | -            |            | $\vdash$ | -        |  |
| L                      | 50   |                                     |            |          |          |              |              |            |          | $\Box$   |  |

| Cla      | aim  |          |        |    | 1        | Dat     | e        |          |          |          |
|----------|--|----------|--------|----|----------|---------|----------|----------|----------|----------|
|          |  | 1        | Π      | Π  | Г        | Γ       | Γ        | Г        | Π        | 1        |
| <u>ā</u> | Original   |          |        |    |          |         |          |          |          |          |
| Final    | rig  |          |        |    |          |         |          |          |          |          |
|          |  |          |        |    |          |         | 1        |          | ]        |          |
|          | 51   | T        |        |    |          | Г       |          | T        |          |          |
|          | 52   |          |        |    |          | Г       |          | 1        |          | <b>—</b> |
|          | 52<br>53   |          | T-     |    |          |         |          |          |          |          |
|          | 54   |          |        |    |          |         | T        | 1        |          | $\vdash$ |
|          | 55   | $\vdash$ | Т      |    |          | T       | T        |          | ┌┈       | 1        |
|          | 56   |          |        |    |          |         |          |          |          |          |
|          | 57   | 1        | İΤ     | Т  |          |         |          |          | $\vdash$ |          |
|          | 58   |          | Π      |    |          | Γ.      |          |          |          | <b>†</b> |
|          | 59   | Ī        |        |    |          | <b></b> |          |          | Г        | T        |
|          | 60   | Г        | 1      |    |          |         | Г        | $\vdash$ | Ι        | _        |
|          | 61   |          |        |    |          |         | T-       | T        | Г        | T        |
|          | 62   |          |        |    |          |         |          |          |          |          |
|          | 63<br>64<br>65                                     |          | T      | 1  | П        | Г       |          | Г        | Г        |          |
|          | 64   |          |        | Ι_ |          | Г       | Γ        |          | Г        |          |
|          | 65   |          |        |    | Γ        |         |          |          | <u> </u> |          |
|          | 66   | T        |        |    | T-       |         |          | Г        | T        |          |
|          | 67   | П        |        |    | T-       |         | T        |          |          |          |
|          | 68   | Г        | Ι      | -  |          |         | <b>-</b> |          |          |          |
|          | 68<br>69   |          |        |    | 一        |         | 1        |          |          |          |
|          | 70   | <b>-</b> |        |    | <b>-</b> |         |          |          |          |          |
|          | 71   |          |        |    | _        |         | ┪        |          | _        |          |
|          | 72   |          |        | Г  | 1        |         |          |          | T        |          |
|          | 71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | Г        | $\Box$ |    | <u> </u> |         | 1        | _        |          |          |
|          | 74   |          |        |    | _        |         |          |          |          |          |
|          | 75   |          |        |    |          |         |          |          |          |          |
|          | 76   | Г        |        |    | 厂        |         |          |          |          |          |
|          | 77   |          |        |    |          |         |          |          |          |          |
|          | 78   |          |        |    |          |         |          | ļ —      |          | П        |
|          | 79   |          |        |    |          |         |          |          |          |          |
|          | 80   |          |        |    |          |         |          |          |          |          |
|          | 81   |          |        |    |          |         |          |          |          | П        |
|          | 82   |          |        |    |          |         |          |          |          |          |
|          | 83   |          |        |    |          |         |          |          |          | П        |
|          | 84   |          |        |    |          | L       |          |          |          |          |
|          | 85   |          |        |    |          |         |          |          |          |          |
|          | 86   |          |        |    |          |         |          |          |          |          |
|          | 87   |          |        |    |          |         |          |          |          |          |
|          | 88   |          |        |    |          |         |          |          |          |          |
|          | 89   |          |        | L  |          |         |          | L        |          |          |
|          | 90   |          |        |    |          |         |          | L        |          |          |
|          | 91   |          |        |    | L_       |         |          |          |          |          |
|          | 92   |          |        |    |          |         |          |          |          |          |
|          | 93   |          |        |    |          |         |          | L        |          |          |
|          | 94   |          |        |    |          |         |          |          | L        |          |
|          | 95   |          |        |    |          |         |          |          |          |          |
|          | 96   |          |        |    |          |         |          |          |          |          |
|          | 97   |          |        |    |          |         |          |          |          |          |
|          | 98   |          |        |    |          |         |          |          |          |          |
|          | 99   |          |        |    |          |         |          |          |          |          |
|          | 100  |          |        |    |          |         |          |          |          | _        |

| Cla           | aim        | Date      |                |              |  |              |              |              |          |                 |
|---------------|------------|-----------|----------------|--------------|--|--------------|--------------|--------------|----------|-----------------|
|               |            |           |                |              |  |              |              |              | П        |                 |
| Final         | Original   |           |                |              |  |              |              |              |          |                 |
|               | 101        | _         | -              | -            | ├  | ļ            |              | -            |          |                 |
|               | 102        |           | $\vdash$       | ╁            | ├  | ╁            | ╁            | $\vdash$     | $\vdash$ | _               |
|               | 103        | -         | $\vdash$       | -            | $\vdash$   | ┢┈           | ├            | $\vdash$     | -        | <del> </del>    |
|               | 104        | -         | ⊢              | ⊢            | ├  | <u> </u>     | ├            | ├            | -        | _               |
|               | 104        | -         | ├—             |              | ┝  |              | ├            | <u> </u>     | <u> </u> |                 |
| -             | 105        | _         | -              | <u> </u>     | _  | <u> </u>     | ├            | ļ            | <u> </u> | <u>Ļ.</u> ,     |
|               | 106        | _         | ├              | <u> </u>     | _  | <u> </u>     | <u> </u>     | -            | <u> </u> | L.              |
|               | 107        | <u> </u>  | <del>  _</del> | ļ            | ļ  | <u> </u>     | <u> </u>     |              | <u> </u> |                 |
|               | 108        | <u> </u>  |                | <u> </u>     | <u> </u>   |              | _            | _            | L        |                 |
|               | 109        | <u> </u>  |                |              | _  |              |              | _            | <u></u>  |                 |
|               | 110        | <u> </u>  | <u></u>        |              |  |              |              |              |          |                 |
|               | 111        |           |                |              |  |              |              |              |          |                 |
|               | 112        |           |                |              |  |              |              |              | Г        |                 |
|               | 113        |           |                | Г            |  |              |              | T            |          |                 |
|               | 114        |           |                | Г            | <b></b>  |              |              | İ            |          |                 |
|               | 115        |           |                |              | _  |              | $\vdash$     | 1            |          |                 |
|               | 116        | -         | $\vdash$       | _            |  |              | -            | $\vdash$     | ┢        |                 |
|               | 117        | ┢         | ┢              | -            |  |              | -            | 1-           | -        | $\vdash$        |
|               | 118        | <b></b> - | ├─             |              | ├-   | $\vdash$     | $\vdash$     |              | ⊢        | Н               |
|               | 119        | -         | -              | ├            | -  | $\vdash$     |              |              | <u> </u> | -               |
|               |            | ├—        | ⊢              | ļ            |  | ⊢            |              | -            | -        |                 |
|               | 120        | _         | _              | _            | <u>ب</u>   | _            | <u> </u>     | <b>-</b>     | _        |                 |
|               | 121<br>122 |           | <u> </u>       | _            | _  | _            | _            | <b>.</b>     |          |                 |
|               | 122        |           | L              | _            | L  |              | L            | ļ            |          |                 |
|               | 123        |           | <u> </u>       | _            | L.   | _            |              |              |          |                 |
|               | 124        |           |                | L            |  |              |              |              |          |                 |
|               | 125        |           |                |              |  |              |              | L            |          |                 |
|               | 126<br>127 |           |                |              |  |              |              |              |          |                 |
|               | 127        |           |                | l            |  |              |              |              |          |                 |
|               | 128        |           |                |              |  |              |              |              | _        |                 |
|               | 129        |           |                |              |  |              |              | 1            |          | П               |
|               | 130        |           |                |              | _  |              |              | <del> </del> |          | H               |
|               | 131        |           | $\vdash$       |              |  | -            |              |              | $\vdash$ | $\vdash \dashv$ |
|               | 132        | $\vdash$  | $\vdash$       |              | <del>                                     </del> |              | <del> </del> | $\vdash$     | -        | $\vdash$        |
|               | 133        | Η-        | $\vdash$       | -            | $\vdash$   | <del> </del> | -            | -            | $\vdash$ | $\vdash \vdash$ |
| <del>  </del> | 134        |           | $\vdash$       | -            | <u>-</u> -                                       | -            |              | <del> </del> |          | $\vdash \vdash$ |
|               | 135        | $\vdash$  | -              | <u> </u>     | <del> </del>                                     | ├            |              | $\vdash$     |          |                 |
|               | 133        | -         |                | <b>├</b>     | -  | -            |              | $\vdash$     | ļ        | $\vdash \vdash$ |
|               | 136        | <u> </u>  | <u> </u>       | $\vdash$     | <u> </u>   | —            | <u> </u>     | <u> </u>     | <u> </u> | Ш               |
|               | 137        | <u> </u>  | <u> </u>       | <u> </u>     | <b>!</b> —                                       | _            | ļ            | <u> </u>     | _        | igsqcup         |
|               | 138        | L         | L              | <u> </u>     | _  | <u> </u>     | <u> </u>     | _            | <u> </u> | Ш               |
| <u> </u>      | 139        |           |                |              | L  |              | _            | <u> </u>     |          |                 |
|               | 140        |           |                |              | _  |              | L            | _            |          |                 |
|               | 141        | L         |                |              | <u> </u>   | $\Box$       | L            |              |          |                 |
|               | 142        | L         |                | L            | L  |              |              |              |          |                 |
|               | 143        |           |                |              |  |              |              | <u> </u>     |          |                 |
|               | 144        |           |                |              |  |              |              |              |          | П               |
|               | 145        |           |                | П            |  | _            | _            |              |          | $\vdash$        |
|               | 146        |           | _              |              |  |              | $\vdash$     | $\vdash$     | $\vdash$ |                 |
|               | 147        |           | $\vdash$       | Н            | -  | $\vdash$     | <u> </u>     | $\vdash$     | <u> </u> | $\vdash$        |
|               | 148        |           | <u> </u>       |              | $\vdash$   | $\vdash$     | -            | -            |          | $\vdash$        |
|               | 149        |           |                | H            | $\vdash$   |              | $\vdash$     | -            | -        | $\dashv$        |
| -             | 150        |           | _              | <del> </del> |  |              |              |              | _        | $\dashv$        |
|               | 100        |           |                |              | L  |              |              |              |          |                 |